SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Shiver, John W.
Davies, Mary Ellen
Freed, Daniel C.
Liu, Margaret A.
Perry, Helen C.

(ii) TITLE OF INVENTION: Synthetic HIV Gag Genes

(iii) NUMBER OF SEQUENCES: 1

(iv) CORRESPONDENCE ADDRESS:
  (A) ADDRESSEE: Merck & Co., Inc.
  (B) STREET: P.O. Box 2000, 126 E. Lincoln Ave.
  (C) CITY: Rahway
  (D) STATE: NJ
  (E) COUNTRY: USA
  (F) ZIP: 07065-0900

(v) COMPUTER READABLE FORM:
  (A) MEDIUM TYPE: Diskette
  (B) COMPUTER: IBM Compatible
  (C) OPERATING SYSTEM: Windows
  (D) SOFTWARE: FastSEQ for Windows Version 2.0b

(vi) CURRENT APPLICATION DATA:
  (A) APPLICATION NUMBER: 09/017,981
  (B) FILING DATE: 03-FEB-1998
  (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
  (A) APPLICATION NUMBER: US60/037,854
  (B) FILING DATE: 07-FEB-1997

  (A) APPLICATION NUMBER: GB9705040.5
  (B) FILING DATE: 12-MAR-1997

(viii) ATTORNEY/AGENT INFORMATION:
  (A) NAME: Hand, J. Mark
  (B) REGISTRATION NUMBER: 36,545
  (C) REFERENCE/DOCKET NUMBER: 19730

(ix) TELECOMMUNICATION INFORMATION:
  (A) TELEPHONE: 732-594-3905
  (B) TELEFAX: 732-594-4720
  (C) TELEX:

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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
    (A) LENGTH: 1532 base pairs
    (B) TYPE: nucleic acid
    (C) STRANDEDNESS: double
    (D) TOPOLOGY: both

(ii) MOLECULE TYPE: cDNA
(iii) HYPOTHETICAL: NO
(iv) ANTISENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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GCTGCTGCTG GCACAGGCAA CTCCAGCCAG GTGTCCCAGA ACTACCCCAT TGTGCAGAAC     420
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GTGGGCCACA TTGCCAAGAA CTGTAGGGCC CCCAGGAAGA AGGGCTGCTG GAAGTGTGGC    1260
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CCTCCCGAGG AGTCCTTCAG GTTTGGGGAG GAGAAGACCA CCCCCAGCCA GAAGCAGGAG    1440
CCCATTGACA AGGAGCTGTA CCCCCTGGCC TCCCTGAGGT CCCTGTTTGG CAACGACCCC    1500
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